

Amendments to the Claims:

1-99. (Canceled)

100. (Currently Amended) A preparation comprising protein molecules, said preparation including heparanase (endo- β -D-glucuronidase) protein, said heparanase protein having heparanase catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, The preparation of claim 97, wherein said heparanase protein comprises a polypeptide at least 95% homologous to SEQ ID NO: 10, and wherein said preparation is pure enough to elicit anti-heparanase antibodies.

101. (Currently Amended) The preparation of claim 100 97, wherein said heparanase protein comprises SEQ ID NO: 10.

102 -126 (Canceled)

127. (Currently Amended) The preparation of claim 100 97, wherein said heparanase protein comprises SEQ ID NO: 10, provided that said amino acid sequence has a phenylalanine residue instead of a tyrosine residue at position 246.

128. (Previously Presented) A preparation comprising a heparanase protein, wherein said heparanase protein comprises amino acid residues 500 to 543 of SEQ ID NO: 10, and wherein said preparation is pure enough to elicit anti-heparanase antibodies, wherein said amino acid sequence has a phenylalanine residue at position 246.

129. (Previously Presented) A heparanase protein comprising SEQ ID NO: 10, provided that said amino acid sequence has a phenylalanine residue instead of a tyrosine residue at position 246.

130 -133 (Canceled)